

0400

#2



OIPE

## RAW SEQUENCE LISTING

DATE: 01/23/2002

PATENT APPLICATION: US/10/036,063

TIME: 10:10:38

Input Set : A:\Seq\_Listing\_-\_P3030R1C6.wpd

Output Set: N:\CRF3\01222002\J036063.raw

P.S

ENTERED

3 <110> APPLICANT: Desnoyers, Luc  
4 Eaton, Dan L.  
5 Goddard, Audrey  
6 Godowski, Paul J.  
7 Gurney, Austin L.  
8 Pan, James  
9 Stewart, Timothy A.  
10 Watanabe, Colin K.  
11 Wood, William I.  
12 Zhang, Zemin  
14 <120> TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
15 ACIDS ENCODING THE SAME  
17 <130> FILE REFERENCE: P3030R1C6  
C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/036,063  
C--> 19 <141> CURRENT FILING DATE: 2001-12-26  
19 <150> PRIOR APPLICATION NUMBER: 60/085579  
20 <151> PRIOR FILING DATE: 1998-05-15  
22 <150> PRIOR APPLICATION NUMBER: 60/112514  
23 <151> PRIOR FILING DATE: 1998-12-15  
25 <150> PRIOR APPLICATION NUMBER: 60/113300  
26 <151> PRIOR FILING DATE: 1998-12-22  
28 <150> PRIOR APPLICATION NUMBER: 60/113430  
29 <151> PRIOR FILING DATE: 1998-12-23  
31 <150> PRIOR APPLICATION NUMBER: 60/113605  
32 <151> PRIOR FILING DATE: 1998-12-23  
34 <150> PRIOR APPLICATION NUMBER: 60/113621  
35 <151> PRIOR FILING DATE: 1998-12-23  
37 <150> PRIOR APPLICATION NUMBER: 60/114140  
38 <151> PRIOR FILING DATE: 1998-12-23  
40 <150> PRIOR APPLICATION NUMBER: 60/115552  
41 <151> PRIOR FILING DATE: 1999-01-12  
43 <150> PRIOR APPLICATION NUMBER: 60/116843  
44 <151> PRIOR FILING DATE: 1999-01-22  
46 <150> PRIOR APPLICATION NUMBER: 60/125774  
47 <151> PRIOR FILING DATE: 1999-03-23  
49 <150> PRIOR APPLICATION NUMBER: 60/125778  
50 <151> PRIOR FILING DATE: 1999-03-23  
52 <150> PRIOR APPLICATION NUMBER: 60/125826  
53 <151> PRIOR FILING DATE: 1999-03-24  
55 <150> PRIOR APPLICATION NUMBER: 60/127035  
56 <151> PRIOR FILING DATE: 1999-03-31  
58 <150> PRIOR APPLICATION NUMBER: 60/127706  
59 <151> PRIOR FILING DATE: 1999-04-05

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/036,063

DATE: 01/23/2002

TIME: 10:10:38

Input Set : A:\Seq\_Listing\_-\_P3030R1C6.wpd

Output Set: N:\CRF3\01222002\J036063.raw

61 <150> PRIOR APPLICATION NUMBER: 60/129122  
62 <151> PRIOR FILING DATE: 1999-04-13  
64 <150> PRIOR APPLICATION NUMBER: 60/130359  
65 <151> PRIOR FILING DATE: 1999-04-21  
67 <150> PRIOR APPLICATION NUMBER: 60/131270  
68 <151> PRIOR FILING DATE: 1999-04-27  
70 <150> PRIOR APPLICATION NUMBER: 60/131272  
71 <151> PRIOR FILING DATE: 1999-04-27  
73 <150> PRIOR APPLICATION NUMBER: 60/131291  
74 <151> PRIOR FILING DATE: 1999-04-27  
76 <150> PRIOR APPLICATION NUMBER: 60/132371  
77 <151> PRIOR FILING DATE: 1999-05-04  
79 <150> PRIOR APPLICATION NUMBER: 60/132379  
80 <151> PRIOR FILING DATE: 1999-05-04  
82 <150> PRIOR APPLICATION NUMBER: 60/132383  
83 <151> PRIOR FILING DATE: 1999-05-04  
85 <150> PRIOR APPLICATION NUMBER: 60/135750  
86 <151> PRIOR FILING DATE: 1999-05-25  
88 <150> PRIOR APPLICATION NUMBER: 60/138166  
89 <151> PRIOR FILING DATE: 1999-06-08  
91 <150> PRIOR APPLICATION NUMBER: 60/144791  
92 <151> PRIOR FILING DATE: 1999-07-20  
94 <150> PRIOR APPLICATION NUMBER: 60/146970  
95 <151> PRIOR FILING DATE: 1999-08-03  
97 <150> PRIOR APPLICATION NUMBER: 60/162506  
98 <151> PRIOR FILING DATE: 1999-10-29  
100 <150> PRIOR APPLICATION NUMBER: 09/311832  
101 <151> PRIOR FILING DATE: 1999-05-14  
103 <150> PRIOR APPLICATION NUMBER: 09/380142  
104 <151> PRIOR FILING DATE: 1999-08-25  
106 <150> PRIOR APPLICATION NUMBER: 09/644848  
107 <151> PRIOR FILING DATE: 2000-08-22  
109 <150> PRIOR APPLICATION NUMBER: 09/747259  
110 <151> PRIOR FILING DATE: 2000-12-20  
112 <150> PRIOR APPLICATION NUMBER: 09/816744  
113 <151> PRIOR FILING DATE: 2001-03-22  
115 <150> PRIOR APPLICATION NUMBER: 09/854208  
116 <151> PRIOR FILING DATE: 2001-05-10  
118 <150> PRIOR APPLICATION NUMBER: 09/854280  
119 <151> PRIOR FILING DATE: 2001-05-10  
121 <150> PRIOR APPLICATION NUMBER: 09/874503  
122 <151> PRIOR FILING DATE: 2001-06-05  
124 <150> PRIOR APPLICATION NUMBER: 09/869599  
125 <151> PRIOR FILING DATE: 2001-06-29  
127 <150> PRIOR APPLICATION NUMBER: 09/908,827  
128 <151> PRIOR FILING DATE: 2001-07-18  
130 <150> PRIOR APPLICATION NUMBER: PCT/US99/10733  
131 <151> PRIOR FILING DATE: 1999-05-14  
133 <150> PRIOR APPLICATION NUMBER: PCT/US99/28551

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/036,063

DATE: 01/23/2002

TIME: 10:10:38

Input Set : A:\Seq\_Listing\_-\_P3030R1C6.wpd

Output Set: N:\CRF3\01222002\J036063.raw

```

134 <151> PRIOR FILING DATE: 1999-12-02
136 <150> PRIOR APPLICATION NUMBER: PCT/US99/30720
137 <151> PRIOR FILING DATE: 1999-12-22
139 <150> PRIOR APPLICATION NUMBER: PCT/US00/05601
140 <151> PRIOR FILING DATE: 2000-03-01
142 <150> PRIOR APPLICATION NUMBER: PCT/US00/05841
143 <151> PRIOR FILING DATE: 2000-03-02
145 <150> PRIOR APPLICATION NUMBER: PCT/US00/14042
146 <151> PRIOR FILING DATE: 2000-05-22
148 <150> PRIOR APPLICATION NUMBER: PCT/US00/15264
149 <151> PRIOR FILING DATE: 2000-06-02
151 <150> PRIOR APPLICATION NUMBER: PCT/US00/23522
152 <151> PRIOR FILING DATE: 2000-08-23
154 <150> PRIOR APPLICATION NUMBER: PCT/US00/23328
155 <151> PRIOR FILING DATE: 2000-08-24
157 <150> PRIOR APPLICATION NUMBER: PCT/US00/32678
158 <151> PRIOR FILING DATE: 2000-12-01
160 <150> PRIOR APPLICATION NUMBER: PCT/US00/34956
161 <151> PRIOR FILING DATE: 2000-12-20
163 <150> PRIOR APPLICATION NUMBER: PCT/US01/06520
164 <151> PRIOR FILING DATE: 2001-02-28
166 <150> PRIOR APPLICATION NUMBER: PCT/US01/17800
167 <151> PRIOR FILING DATE: 2001-06-01
169 <150> PRIOR APPLICATION NUMBER: PCT/US01/19692
170 <151> PRIOR FILING DATE: 2001-06-20
172 <150> PRIOR APPLICATION NUMBER: PCT/US01/21066
173 <151> PRIOR FILING DATE: 2001-06-29
175 <150> PRIOR APPLICATION NUMBER: PCT/US01/21735
176 <151> PRIOR FILING DATE: 2001-07-09
178 <160> NUMBER OF SEQ ID NOS: 80
180 <210> SEQ ID NO: 1
181 <211> LENGTH: 1712
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo Sapien
185 <400> SEQUENCE: 1
186   ggcactctgcc cgaggagacc acgctcctgg agctctgctg tcttctcagg 50
188   gagactctga ggctctgttg agaatcatgc tttggaggca gctcatctat 100
190   tggcaactgc tggctttgtt tttcctccct ttttgccgtg gtcaagatga 150
192   atacatggag tctccacaaa ccggaggact acccccagac tgcagtaagt 200
194   gttgtcatgg agactacagc tttcgaggct accaaggccc ccctgggccca 250
196   ccgggccctc ctggcattcc aggaaaccaa ggaaacaatg gcaacaatgg 300
198   agccactggt catgaaggag ccaaaggtga gaagggcgac aaaggtgacc 350
200   tggggcctcg aggggagcgg gggcagcatg gccccaaagg agagaagggc 400
202   tacccgggga ttccaccaga acttcagatt gcattcatgg cttctctggc 450
204   aaccacattc agcaatcaga acagtgggat tatcttcagc agtggttgaga 500
206   ccaacattgg aaacttcttt gatgtcatga ctggtagatt tggggcccca 550
208   gtatcagggt tgtatttctt caccttcagc atgatgaagc atgaggatgt 600
210   tgaggaagtg tatgtgtacc ttatgcacaa tggcaacaca gtcttcagca 650
212   tgtacagcta tgaaatgaag ggcaaatacag atacatccag caatcatgct 700

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/036,063

DATE: 01/23/2002

TIME: 10:10:38

Input Set : A:\Seq\_Listing\_-\_P3030R1C6.wpd

Output Set: N:\CRF3\01222002\J036063.raw

```

214 gtgctgaagc tagccaaagg ggatgagggt tggctgcgaa tgggcaatgg 750
216 cgctctccat ggggaccacc aacgcttctc cacctttgca ggattcctgc 800
218 tctttgaaac taagtaaata tatgactaga atagctccac tttggggaag 850
220 acttgtagct gagctgattt gttacgatct gaggaacatt aaagttgagg 900
222 gttttacatt gctgtattca aaaaattatt ggttgcaatg ttgttcacgc 950
224 tacaggtaga ccaataatgt tggacaattc aggggctcag aagaatcaac 1000
226 cacaaaatag tcttctcaga tgaccttgac taatatactc agcatcttta 1050
228 tcactctttc cttggcacct aaaagataat tctcctctga cgcagggttg 1100
230 aaatattttt ttctatcaca gaagtcattt gcaaagaatt ttgactactc 1150
232 tgcttttaat ttaataaccag ttttcaggaa cccctgaagt ttttaagttca 1200
234 ttattcttta taacatttga gagaatcgga tgtagtata tgacagggct 1250
236 ggggcaagaa caggggcact agctgcctta ttagctaatt tagtgccctc 1300
238 cgtgttcagc ttagcctttg accctttcct tttgatccac aaaatacatt 1350
240 aaaactctga attcacatac aatgctatth taaagtcaat agatttttagc 1400
242 tataaagtgc ttgaccagta atgtggttgt aattttgtgt atgttcccc 1450
244 acatcgcccc caacttcgga tgtggggtca ggagggttag gttcactatt 1500
246 aacaaatgtc ataaatatct catagaggta cagtgcgaat agatattcaa 1550
248 atgttgcatg ttgaccagag ggattttata tctgaagaac atacactatt 1600
250 aataaatacc ttagagaaag attttgacct ggcttttagat aaaactgtgg 1650
252 caagaaaaat gtaatgagca atatatggaa ataaacacac ctttgttaaa 1700
254 gataaaaaaa aa 1712
256 <210> SEQ ID NO: 2
257 <211> LENGTH: 246
258 <212> TYPE: PRT
259 <213> ORGANISM: Homo Sapien
261 <400> SEQUENCE: 2
262 Met Leu Trp Arg Gln Leu Ile Tyr Trp Gln Leu Leu Ala Leu Phe
263 1 5 10 15
265 Phe Leu Pro Phe Cys Leu Cys Gln Asp Glu Tyr Met Glu Ser Pro
266 20 25 30
268 Gln Thr Gly Gly Leu Pro Pro Asp Cys Ser Lys Cys Cys His Gly
269 35 40 45
271 Asp Tyr Ser Phe Arg Gly Tyr Gln Gly Pro Pro Gly Pro Pro Gly
272 50 55 60
274 Pro Pro Gly Ile Pro Gly Asn His Gly Asn Asn Gly Asn Asn Gly
275 65 70 75
277 Ala Thr Gly His Glu Gly Ala Lys Gly Glu Lys Gly Asp Lys Gly
278 80 85 90
280 Asp Leu Gly Pro Arg Gly Glu Arg Gly Gln His Gly Pro Lys Gly
281 95 100 105
283 Glu Lys Gly Tyr Pro Gly Ile Pro Pro Glu Leu Gln Ile Ala Phe
284 110 115 120
286 Met Ala Ser Leu Ala Thr His Phe Ser Asn Gln Asn Ser Gly Ile
287 125 130 135
289 Ile Phe Ser Ser Val Glu Thr Asn Ile Gly Asn Phe Phe Asp Val
290 140 145 150
292 Met Thr Gly Arg Phe Gly Ala Pro Val Ser Gly Val Tyr Phe Phe
293 155 160 165
295 Thr Phe Ser Met Met Lys His Glu Asp Val Glu Glu Val Tyr Val

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/036,063

DATE: 01/23/2002

TIME: 10:10:38

Input Set : A:\Seq\_Listing\_-\_P3030R1C6.wpd

Output Set: N:\CRF3\01222002\J036063.raw

```

296          170          175          180
298 Tyr Leu Met His Asn Gly Asn Thr Val Phe Ser Met Tyr Ser Tyr
299          185          190          195
301 Glu Met Lys Gly Lys Ser Asp Thr Ser Ser Asn His Ala Val Leu
302          200          205          210
304 Lys Leu Ala Lys Gly Asp Glu Val Trp Leu Arg Met Gly Asn Gly
305          215          220          225
307 Ala Leu His Gly Asp His Gln Arg Phe Ser Thr Phe Ala Gly Phe
308          230          235          240
310 Leu Leu Phe Glu Thr Lys
311          245
313 <210> SEQ ID NO: 3
314 <211> LENGTH: 43
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Synthetic oligonucleotide probe
321 <400> SEQUENCE: 3
322  tgtaaaacga cggccagtta aatagacctg caattattaa tct 43
324 <210> SEQ ID NO: 4
325 <211> LENGTH: 41
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Synthetic oligonucleotide probe
332 <400> SEQUENCE: 4
333  caggaaacag ctatgaccac ctgcacacct gcaaattccat t 41
335 <210> SEQ ID NO: 5
336 <211> LENGTH: 24
337 <212> TYPE: DNA
338 <213> ORGANISM: Artificial Sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: Synthetic oligonucleotide probe
343 <400> SEQUENCE: 5
344  gcaacaatgg agccactggt catg 24
346 <210> SEQ ID NO: 6
347 <211> LENGTH: 24
348 <212> TYPE: DNA
349 <213> ORGANISM: Artificial Sequence
351 <220> FEATURE:
352 <223> OTHER INFORMATION: Synthetic oligonucleotide probe
354 <400> SEQUENCE: 6
355  gcaaaggtgg agaagcgttg gtgg 24
357 <210> SEQ ID NO: 7
358 <211> LENGTH: 52
359 <212> TYPE: DNA
360 <213> ORGANISM: Artificial Sequence
362 <220> FEATURE:
363 <223> OTHER INFORMATION: Synthetic oligonucleotide probe

```

Use of n and/or Xaa has been detected in the Sequence Listing.  
 Review the Sequence Listing to insure a corresponding  
 explanation is presented in the <220> to <223> fields of  
 each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/036,063

DATE: 01/23/2002

TIME: 10:10:40

Input Set : A:\Seq\_Listing\_-\_P3030R1C6.wpd

Output Set: N:\CRF3\01222002\J036063.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application No

L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:2756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56